

PATENT ABSTRACTS OF JAPAN

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(54) MANUFACTURE OF MAGNETIC RECORDING MEDIUM, AND KNEADING APPARATUS

(57) Abstract:

PURPOSE: To make dilution kneading uniform and thereby to improve an electromagnetic transduction characteristic as an intensive characteristic of dispersibility, an orientation property and a packing property by changing the density of a kneaded material sequentially by separating the dilution kneading into two or more stages.

CONSTITUTION: In a continuous type tandem kneader 1, a powder body 3 such as magnetic powder charged from a powder body charging port 2 is conveyed to a kneading part 5 by a screw type conveyor means 4 and kneaded herein sufficiently with a binder solution 7 from a liquid injection port 6 under the action of a shearing force, and a kneaded material thus obtained is conveyed to each of sections 11a to 11f of a dilution kneading part 11 sequentially, together with binder solutions or organic solvents 9a to 9f from a plurality of liquid injection ports, e.g. 8a to 8f, by screw type conveyor means 10a to 10f. The organic solvents 9a to 9f are added at least in two stages so that the density of the kneaded material be changed sequentially at least in two or more stages. Thereby a uniform diluted kneaded material can be obtained and a magnetic coating material being excellent in dispersibility, an orientation property and a packing



property (density) can be prepared with ease.

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